

# SECTION CORNER RECORD

NE 050-1100

## BOONE COUNTY SURVEYOR'S OFFICE

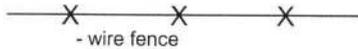
State Plane grid coordinates NAD83 (2011):  
North: 1749440.22 East: 3183123.66 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'  
Depth: Two inches below adjacent gravel road surface

Indiana tie card references:  
IN02\_T19NR2E35\_44 IN02\_T19NR2E36\_36

### CORNER WITNESS DETAIL

SCALE 1" = 40'



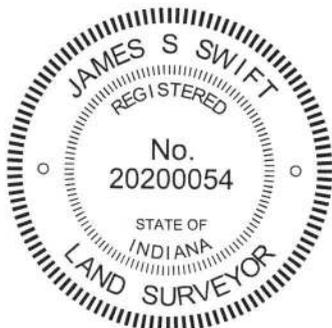
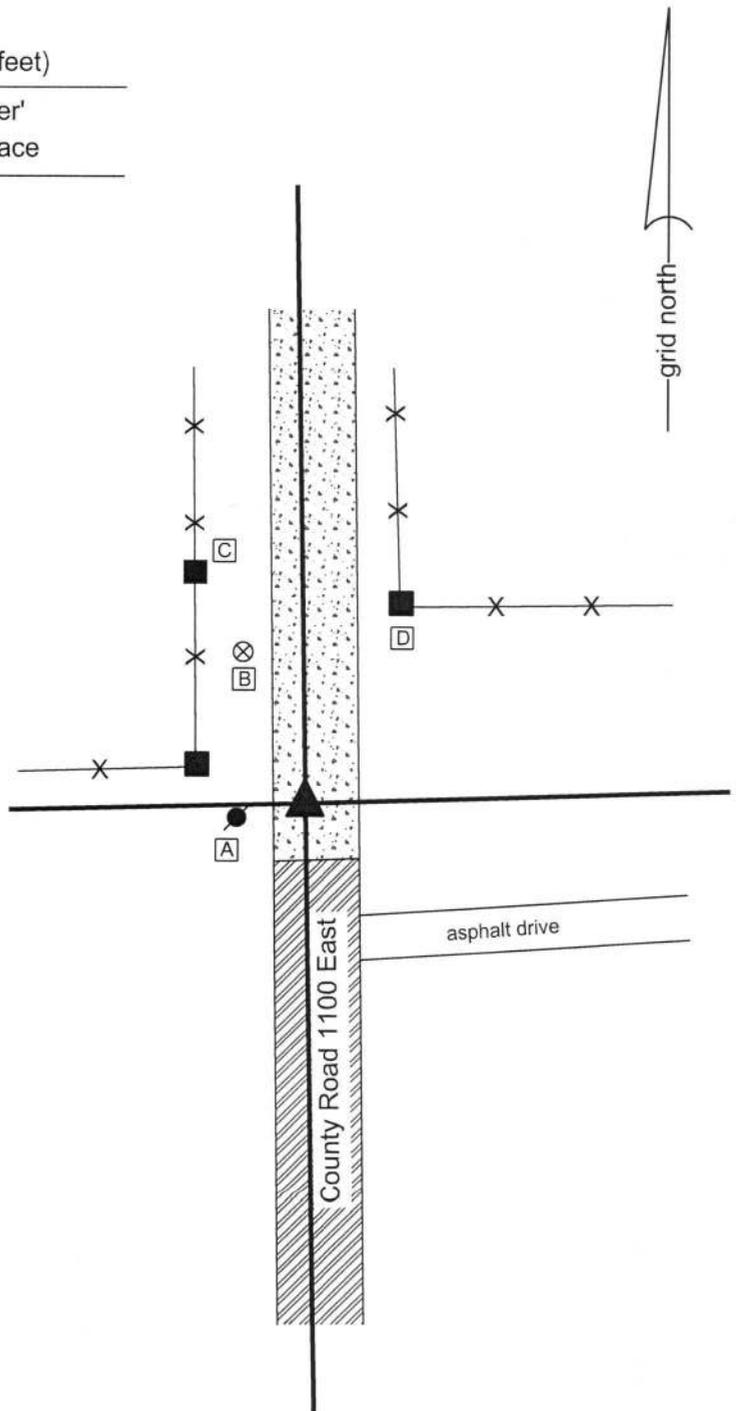
- A - Mag nail set in E. side power pole, 2' a.g., 13.3'
- B - Boone County witness mark, flush, 33.9'
- C - Mag nail set in E. side wood line post, 2' a.g., 53.1'
- D - Mag nail set in S.W. edge wood corner post, 2' a.g., 45.1'

The Harrison monument was set in place of a rebar and flat piece of steel found.  
No specific descriptions of this corner were found in the BCS Surveyor's Record beyond the establishment of the corner as a wood post in 1821. A BCS tie card dated March 11, 1982 shows the corner as "found steel stake 3" x 3/8" 1.5' deep." The tie card shows the corner as falling within the right-of-way of the Midland Railroad, close to the south edge of the right-of-way.

This corner was excavated on April 9, 2018. Prior to excavation, a rebar with a red plastic cap was found 2 inches deep in the roadway in agreement with the representation of the corner as shown on the 1982 tie card. The rebar is known to have been held for surveys and deeds in the adjoining sections and is specifically called out as the corner for the adjoining properties to the west, described in Instruments 200700002097 and 201100010402 in the Office of the Boone County Recorder.

Excavation centered on the rebar revealed a 20 inch long flat piece of steel which matches the description of the monument described on the 1982 tie card, found directly below the rebar. Excavation of an area extending 2 feet south, 3 feet north, 1.5 feet east and 1.5 feet west of the rebar revealed no further evidence of the corner. The bottom of the road bed was found to be at approximately 18 inches deep. Excavation was performed to at least 22 inches deep.

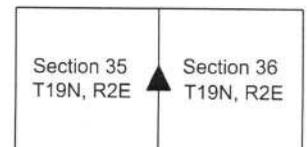
The found rebar, marking the position of the corner as demonstrated on the 1982 tie card, was held as marking the corner. The rebar and flat piece of steel were removed and replaced with a Harrison monument in the same position.



*Kenneth E. Hedge*  
Kenneth E. Hedge, County Surveyor

*James S. Swift*  
James S. Swift, IN LS 20200054  
May 30, 2018

Union Township



# SECTION CORNER RECORD

NE 050-1200

## BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (2011):

North: 1749607.68 East: 3188440.45 (U.S. survey feet)

North: 1749596.77 East: 3188440.58 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'

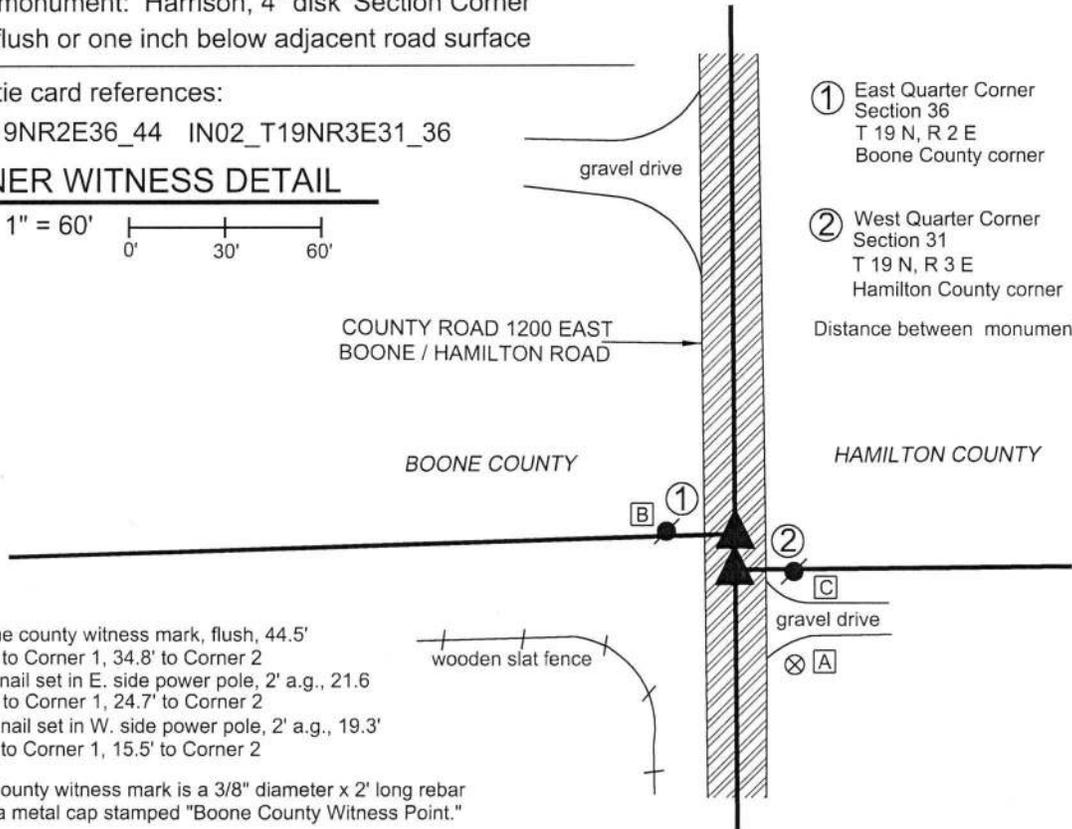
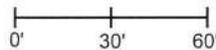
Depth: flush or one inch below adjacent road surface

Indiana tie card references:

IN02\_T19NR2E36\_44 IN02\_T19NR3E31\_36

### CORNER WITNESS DETAIL

SCALE 1" = 60'



① East Quarter Corner  
Section 36  
T 19 N, R 2 E  
Boone County corner

② West Quarter Corner  
Section 31  
T 19 N, R 3 E  
Hamilton County corner

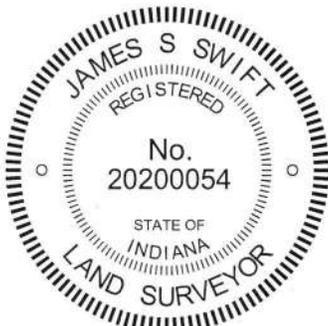
Distance between monuments: 10.9 feet.



- A - Boone county witness mark, flush, 44.5'  
44.5' to Corner 1, 34.8' to Corner 2
- B - Mag nail set in E. side power pole, 2' a.g., 21.6'  
21.6' to Corner 1, 24.7' to Corner 2
- C - Mag nail set in W. side power pole, 2' a.g., 19.3'  
19.3' to Corner 1, 15.5' to Corner 2

Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The Harrison monument at Corner 2, the Hamilton County corner, was found in place, having been previously set by the Hamilton County Surveyor's Office in place of a railroad spike over a stone. The Harrison monument at Corner 1 was established on the range line as defined by Corner 2 and the corner approximately 1/2 mile south (see BCS Corner NE-000-1200), slightly east of a railroad spike set in place of a railroad rail. No ancient BCS records were found documenting Corner 1, nor were any recent BCS tie cards found referencing this corner. Corner 1 was excavated on July 20, 2012. Prior to excavation, the Harrison monument was found marking Corner 2 and a Mag Nail in concrete was found providing evidence of Corner 1. It was observed that the monuments marking the corners were closer to each other than would be expected, if the average of the original closing distances to the north and south (25 links) were held. Excavation of an area extending 1 foot south, 1 foot west, 3 feet east and 6 feet north of the nail at Corner 1 revealed a vertical section of railroad rail found at 12 inches deep, below the mag nail. No further evidence was found during excavation. The bottom of the road bed was found at 14 inches and excavation extended to 20 inches deep. On July 20, 2012 a railroad spike was set in place of the top, center of the railroad rail to mark the corner pending further investigation. It is noted that the origin of the railroad rail is not known and that no BCS tie cards were found referencing the rail, but it is likely that it was set by representatives of this office between 1968 and 1973. Deed research indicates that the properties to the west and southwest (see Instruments 200600012835 & 2018001010) are described from the Mag nail. No deed descriptions indicating evidence contrary to the mag nail and railroad rail was found and the rail was held as providing the best available evidence of the corner. A 5/8 inch rebar was found witnessing the corner on the west side of the county road, in line with the nail/rail/spike. On June 6, 2019, a final position for Corner 1 was established on the range line as noted above, 0.9 foot east of the railroad spike which had been set in place of the rail in 2012. A Harrison monument was set at that position on that date. The railroad spike was removed and the Mag nail had been removed in 2012. Corner 1 was originally established in 1819.

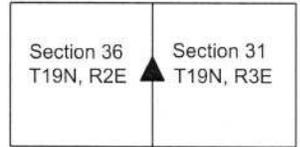


*Kenneth E. Hedge*  
Kenneth E. Hedge, County Surveyor

*James S. Swift*  
James S. Swift, IN LS 20200054  
July 31, 2019

Union Twp  
Boone Cnty

Washington Twp  
Hamilton Cnty



# SECTION CORNER RECORD

## BOONE COUNTY SURVEYOR'S OFFICE

NE 100-1100

State Plane grid coordinates NAD83 (NSRS 2007):

North: 1752095.57 East: 3183077.20 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'

Depth: Six inches below adjacent gravel road surface.

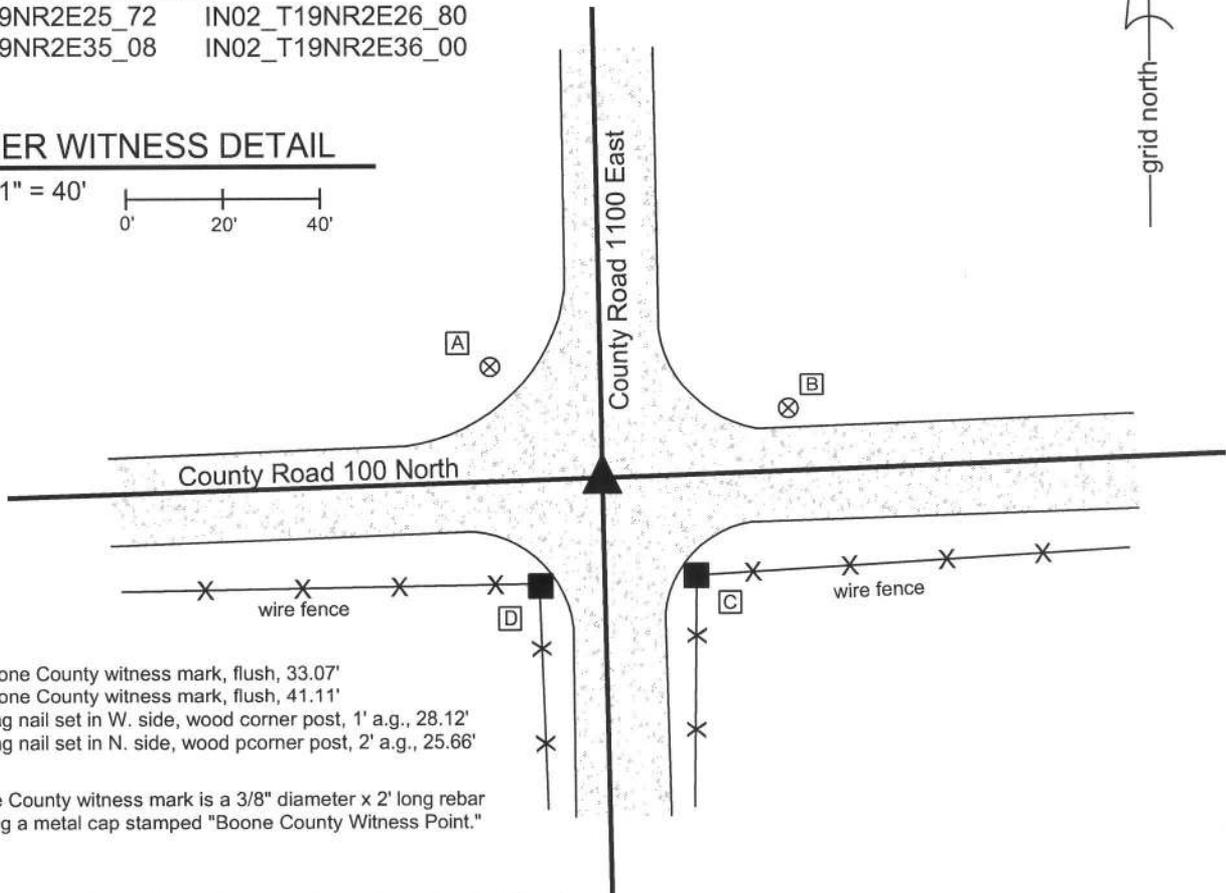
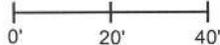
Indiana tie card references:

IN02\_T19NR2E25\_72 IN02\_T19NR2E26\_80

IN02\_T19NR2E35\_08 IN02\_T19NR2E36\_00

### CORNER WITNESS DETAIL

SCALE 1" = 40'



- A - Boone County witness mark, flush, 33.07'
- B - Boone County witness mark, flush, 41.11'
- C - Mag nail set in W. side, wood corner post, 1' a.g., 28.12'
- D - Mag nail set in N. side, wood pcorner post, 2' a.g., 25.66'

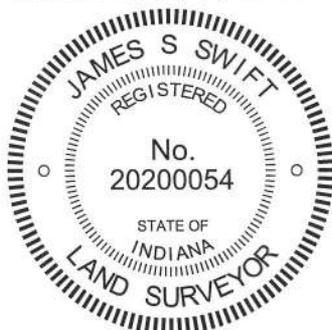
Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The harrison monument was set directly over the etched "+" on a stone found.

A BCS record of October 24, 1866 states "Re-Established after having taken additional evidence. Set two Rocks, one 6.5.4 in + Mark on top. Top Rock 13.7.5 1/2 + on top." A BCS tie card dated August 7, 1974 states "No stone found."

This corner was excavated on June 18, 2010. Prior to excavation, a railroad rail was found at 4 inches deep. Excavation revealed a rock found at 24 inches deep, 1 foot west of the rail. The rock was 12 inches N-S by 10 inches E-W by 8 inches tall. A deep crease was visible on the top of the rock but did not appear to be an intentional mark. This stone did not match the description of either of the record stones and was removed. Further excavation revealed the record bottom stone found at 28 inches deep. This stone had a clearly visible etched "+" on the top. The stone matches the proportions of the record bottom stone, but was slightly larger in all dimensions. The top of the stone is approximately 10 inches deep into the clay layer below the road. A 13 inch tall stone above it would have protruded 3 inches into the bottom of the road bed, which is consistent with the depth of many other stones found. The stone was left in place and the harrison monument was set over the etched "+" on the top. The harrison is 0.9 foot north and 2.9 feet west of the position of the railroad rail, which was removed during excavation. The 1968 reference to "no stone found" indicates that a stone was searched for but not found. It is most likely that the railroad rail was set at that time, after the erroneous determination that other evidence, in the form of a stone, was not present.

This corner was originally established as a wood post in June, 1821.



*Kenneth E. Hedge*  
 Kenneth E. Hedge, County Surveyor

*James S. Swift*  
 James S. Swift, IN LS 20200054  
 July 25, 2011

Union Township

Section 26 T19N, R2E	Section 25 T19N, R2E
Section 35 T19N, R2E	Section 36 T19N, R2E

PHOTOGRAPHIC DOCUMENTATION

Date of photography: June 18, 2010

View of the stone from above.



Close-up of the stone.



For details and documentation, refer to related sheet "Section Corner Record."

# SECTION CORNER RECORD

# NE 100-1150

## BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (NSRS 2007):

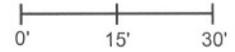
North: 1752187.42 East: 3185748.55 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'

Depth: Six inches below adjacent gravel road surface.

### CORNER WITNESS DETAIL

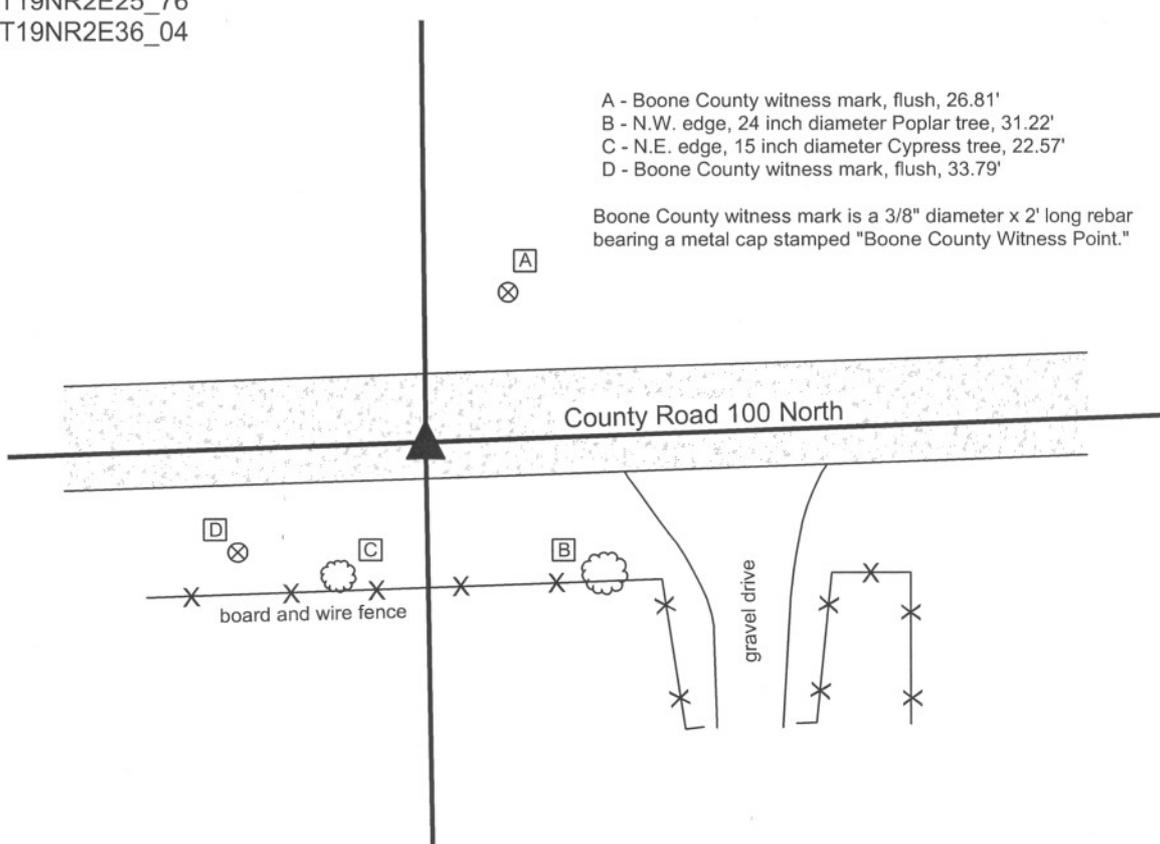
SCALE 1" = 30'



Indiana tie card references:

IN02\_T19NR2E25\_76

IN02\_T19NR2E36\_04



- A - Boone County witness mark, flush, 26.81'
- B - N.W. edge, 24 inch diameter Poplar tree, 31.22'
- C - N.E. edge, 15 inch diameter Cypress tree, 22.57'
- D - Boone County witness mark, flush, 33.79'

Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

The harrison monument was set in place of a stone found.

No specific descriptions of this corner were found in the BCS Surveyor's Record, nor were any recent tie cards found for this corner.

Prior to excavation a 5/8 inch diameter rebar with a red cap was found near the south edge of the roadway at 7 inches deep. No source information was found for this rebar and the markings on the cap were not legible. Excavation revealed a stone found at 3 inches deep, north and east of the rebar. An etched "+" was visible on the top of the stone, though the top of the stone appeared to have been scraped by a road grader and the mark was not deeply etched. The stone was 14 inches N-S by 11 inches E-W by 14 inches tall. The bottom eight inches of the stone were embedded in the clay layer below the road and the top of the stone protruded 6 inches into the bottom of the road bed. It is noted that the road appears to have been cut slightly in this area and it is estimated that the depth of the stone would have been 13 to 15 inches prior to the cut. The stone was removed and the harrison monument was set in its place. The harrison monument is 3.2 feet north and 2.0 feet east of the former position of the rebar, removed during excavation.

This corner was originally established as a wood post in June, 1821.



*Kenneth E. Hedge*  
 Kenneth E. Hedge, County Surveyor

*James S. Swift*  
 James S. Swift, IN LS 20200054  
 July 25, 2011

Union Township

Section 25  
T19N, R2E

▲  
 Section 36  
 T19N, R2E

# SECTION CORNER RECORD

# NE 100-1200

## BOONE COUNTY SURVEYOR'S OFFICE

State Plane grid coordinates NAD83 (CORS96):

Corner 1: North: 1752280.02 East: 3188412.48 (U.S. survey feet)  
Corner 2: North: 1752246.68 East: 3188412.40 (U.S. survey feet)

Type of monument: Harrison, 4" disk 'Section Corner'  
Depth: One inch below adjacent road surface

Indiana tie card references:

IN02\_T19NR2E25\_80 IN02\_T19NR3E30\_72  
IN02\_T19NR2E36\_08 IN02\_T19NR3E31\_00

- ① S.E. Corner, Section 25  
N.E. Corner, Section 36  
T 19 N, R 2 E  
Boone County corner
- ② S.W. Corner, Section 30  
N.W. Corner, Section 31  
T 19 N, R 3 E  
Hamilton County corner

Distance between monuments: 33.33'  
Original federal closing: 50 links (33')

### CORNER WITNESS DETAIL

SCALE 1" = 40'

- A - Mag nail in S. side power pole, 1.5' a.g.,  
56.45' to corner 1, 93.53' to corner 2
- B - Boone County witness mark, flush,  
45.97' to corner 1, 78.82' to corner 2
- C - Mag nail set in S.W. side power pole, 1.8' a.g.,  
132.52' to corner 1, 99.56' to corner 2
- D - Boone County witness mark, flush  
83.55' to corner 1, 50.80' to corner 2
- E - Mag nail in N. side power pole, 8 in. a.g.  
32.34' to corner 1, 18.00' to corner 2

Boone County witness mark is a 3/8" diameter x 2' long rebar bearing a metal cap stamped "Boone County Witness Point."

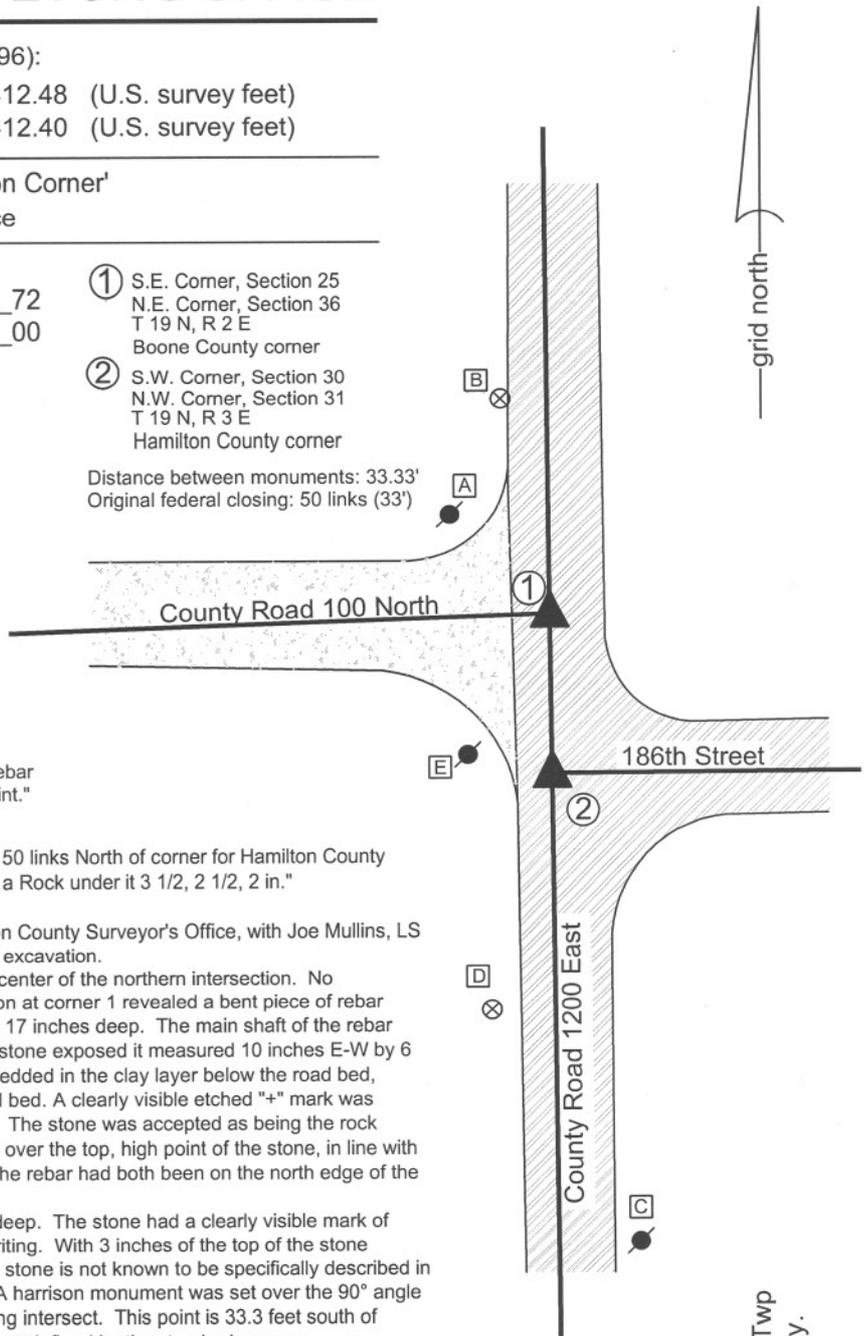
The harrison monuments were set over stones found.

A BCS record of October 23-24, 1866 states "Reestablished 50 links North of corner for Hamilton County found a stake where set Rock 20.11 by 7 in. marked + place a Rock under it 3 1/2, 2 1/2, 2 in."  
A BCS tie card dated August 14, 1967 states "no stone."

Both corners were excavated in cooperation with the Hamilton County Surveyor's Office, with Joe Mullins, LS and other representatives of that office present at the time of excavation.

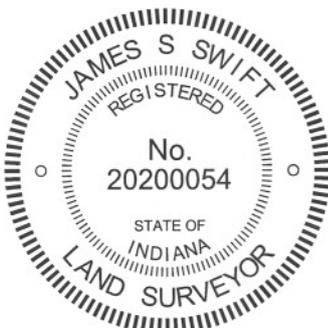
Prior to excavation, a nail was found at 3 inches deep in the center of the northern intersection. No monument was found at the southern intersection. Excavation at corner 1 revealed a bent piece of rebar below the nail. Further excavation revealed a stone found at 17 inches deep. The main shaft of the rebar was along the north edge of the stone. With 8 inches of the stone exposed it measured 10 inches E-W by 6 inches N-S. The stone appeared to be vertical and well embedded in the clay layer below the road bed, protruding approximately 4 inches into the bottom of the road bed. A clearly visible etched "+" mark was visible on the west side of the stone, 3 inches below the top. The stone was accepted as being the rock described in the 1866 record. A harrison monument was set over the top, high point of the stone, in line with the etched "+" on the west side. The nail and main shaft of the rebar had both been on the north edge of the stone, 3 inches north of the top, center.

Excavation at corner 2 revealed a stone found at 20 inches deep. The stone had a clearly visible mark of "S31" with lines etched on the north and west sides of the writing. With 3 inches of the top of the stone exposed, it measured 10 inches N-S by 8 inches E-W. This stone is not known to be specifically described in the Hamilton County records, but clearly marks the corner. A harrison monument was set over the 90° angle point where the lines on the north and west sides of the writing intersect. This point is 33.3 feet south of corner 1 and is approximately 0.4 foot west of the range line as defined by the standard corners.



Union Twp.  
Boone Cnty.  
Washington Twp.  
Hamilton Cnty.

Section 25 T19N, R2E	Section 30 T19N, R3E
Section 36 T19N, R2E	Section 31 T19N, R3E



*Kenneth E. Hedge*  
Kenneth E. Hedge, County Surveyor

*James S. Swift*  
James S. Swift, IN LS 20200054  
January 15, 2013

PHOTOGRAPHIC DOCUMENTATION

Date of photography: July 17, 2012

View of the stone at the Boone County corner (corner 1) and the adjacent rebar from the north.



View of the stone at corner 1 from above and from the west.



View of the stone at corner 1 from the north, looking south across the Hamilton County corner and along the County Line Road.



The stone at the Hamilton County corner (corner 2) as found.



The stone at corner 2 with paint.



For details and documentation, refer to related sheet "Section Corner Record."